

<b>INFORMATION DISCLOSURE STATEMENT</b>		<b>Atty. Docket No.: 54404US008</b>		<b>Serial No.:</b>		
		<b>Applicant(s): Johnston et al.</b>				
		<b>Filing Date: Herewith</b>		<b>Group:</b>		
<b>U.S. PATENT DOCUMENTS</b>						
Examiner Initial	Document Number	Date	Name	Class	SubClass	Filing Date if Appropriate
L	2,915,554	12/1/59	Ahlbrecht et al.			
	2,896,618	07/28/1959	Schaefer			
	3,389,827	6/25/68	Abere et al.			
	3,715,192	02/06/1973	Wenz et al.			
	3,921,627	11/25/1975	Wilson et al.			
	3,993,566	11/23/1976	Goldberg et al.			
	4,112,213	9/5/78	Waldman			
	4,233,029	11/11/1980	Columbus			
	4,271,119	06/02/1981	Columbus			
	4,277,966	07/14/1981	Rambauske			
	4,310,509	1/12/82	Berglund et al.			
	4,323,069	04/06/1982	Ahr et al.			
	4,323,557	4/6/82	Rosso et al.			
	4,413,407	11/08/1983	Columbus			
	4,439,391	03/27/1984	Hung			
	4,472,480	9/18/84	Olson			
	4,485,809	12/4/84	Dellas			
	4,579,555	04/01/1986	Russo			
	4,600,001	7/15/86	Gilman			
	4,601,861	07/22/1986	Pricone et al.			
	4,639,748	01/27/1987	Drake et al.			
	4,668,558	05/26/1987	Barber			
	4,737,410	4/12/88	Kantner			
	4,758,481	07/19/1988	Fauvel			
	4,803,078	2/7/89	Sakai			
	4,871,812	10/3/89	Lucast et al.			
	4,906,439	03/06/1990	Grenner			
	4,913,858	04/03/1990	Miekka et al.			
	4,950,549	08/21/1990	Rolando et al.			
	4,961,985	10/9/90	Henn et al.			
	5,069,403	12/03/1991	Marentic et al.			
L	5,078,925	01/07/1992	Rolando et al.			
<b>EXAMINER</b>			<b>Date Considered</b>			
			9/26			

**\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.**

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<b>U.S. PATENT DOCUMENTS</b>						
Examiner Initial	Document Number	Date	Name	Class	SubClass	Filing Date If Appropriate
✓	5,125,401	06/30/1992	Gerhartl			
✓	5,133,516	07/28/1992	Marentic et al.			
	5,158,557	10/27/1992	Noreen et al.			
	5,161,544	11/10/1992	Morris			
	5,175,030	12/29/1992	Lu et al.			
	5,200,248	04/06/1993	Thompson et al.			
	5,225,473	7/6/93	Duan			
	5,249,359	10/05/1993	Schubert et al.			
	5,268,213	12/07/1993	Murakami et al.			
	5,314,743	05/24/1994	Meirowitz et al.			
	5,336,209	08/09/1994	Porzilli			
	5,376,252	12/27/1994	Ekstrom et al.			
	5,411,858	05/02/1995	McGeehan et al.			
	5,440,332	08/08/1995	Good			
	5,450,235	09/12/1995	Smith et al.			
	5,468,821	11/21/95	Lucast et al.			
	5,474,527	12/12/95	Bettinger			
	5,474,824	12/12/95	Martakos et al.			
	5,514,120	5/7/96	Johnston et al.			
	5,585,186	12/17/96	Scholz et al.			
	5,591,820	1/7/97	Kydonieus et al.			
	5,609,624	3/11/97	Kalis			
	5,651,888	07/29/1997	Shimizu et al.			
	5,691,846	11/25/1997	Benson, Jr. et al.			
	5,728,446	3/17/98	Johnston et al.			
	5,738,642	4/14/98	Heinecke et al.			
	5,807,295	09/15/1998	Hutcheon et al.			
	5,853,750	12/29/98	Dietz et al.			
	5,932,315	08/03/1999	Lum et al.			
	6,080,243	06/27/2000	Insley et al.			
	6,290,685	09/18/2001	Insley et al.			
✓	RE 24,906	12/13/60	Ulrich			
✓	RE 33,727	10/29/91	Sims			
<b>EXAMINER</b>			<b>Date Considered</b> 5/3/97			
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<b>FOREIGN PATENT DOCUMENTS</b>							
	Document Number	Date	Country	Class	SubClass	Translation	
						Yes	No
✓	0 051 935	05/19/1982	EPO				
✓	0 872 330 A1	10/21/1998	EPO (Abstract)				
✓	2 662 361	05/23/1990	France (Abstract)				
✓	2 433 935	03/21/1980	France (Abstract)				
✓	<del>DE 42 10 072 A1</del>	<del>03/25/1993</del>	<del>Germany</del>				
✓	GB 1 338 579	11/28/1973	Great Britain				
↑	GB 1 354 502	05/30/1974	Great Britain				
	WO 91/12949	09/05/1991	PCT				
	WO 93/11727	06/24/1993	PCT				
	WO 96/03094	02/08/1996	PCT (Abstract)				
	WO 96/09879	04/04/1996	PCT				
	WO 97/09017	03/13/1997	PCT				
✓	WO 97/13633	04/17/1997	PCT				
✓	2 294 426	05/01/1996	UK				
<b>OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)</b>							
✓		Article: "Fabrication of Novel Three-Dimensional Microstructures by the Anisotropic Etching of (100) and (110) Silicon", Ernest Bassous, <u>IEEE Transactions on Electron Devices</u> , Vol. ED-25, No. 10, October 1978.					
✓		Article: "Microtechnology Opens Doors to the Universe of Small Space", Peter Zuska <u>Medical Device &amp; Diagnostic Industry</u> , January 1997.					
✓		Article: Fabrication of Microstructures with high aspect ratios and great structural heights by synchrotron radiation lithography, galvanofarming, and plastic moulding (LIGA)" Becker, et al. <u>MiMicroelectronic Engineering</u> 4 (1986).					
✓		Article: "Processing of Three-Dimensional Microstructures Using Macroporous n-Type Silicon" Ottow et al. <u>J. Electrochem. Soc.</u> , Vol. 143, No. 1, January 1996.					
✓		U.S. Patent Application Serial No. 09/099,269, filed June 18, 1998, entitled "Microchanneled Active Fluid Transport Devices"					
✓		U.S. Patent Application Serial No. 09/099,555, filed June 18, 1998, entitled "Microstructure Liquid Dispenser"					
✓		U.S. Patent Application Serial No. 09/099,562, filed June 18, 1998, entitled "Microfluidic Articles and Method of Manufacturing Same"					
✓		U.S. Patent Application Serial No. 09/099,632, filed June 18, 1998, entitled "Microchanneled Active Fluid Heat Exchanger"					
✓		U.S. Patent Application Serial No. 09/100,163, filed June 18, 1998, entitled "Microstructured Separation Device"					
✓		U.S. Patent Application Serial No. 09/106,506, filed June 18, 1998, entitled "Structured Surface Filtration Media"					
<b>EXAMINER</b>			<b>Date Considered</b>				
[Signature]			5/3/98				
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